

## **Target (Sample Lesson)**

**Activity Goal:** To remove all the cards by finding combinations of cards that equal the target number

**Academic Standard:** Students will add, subtract, multiply, and divide whole numbers, with the multipliers and divisors being no more than two-digits (5th grade, Number and Operations/Computation/State Assessed).

**Materials Needed:** A deck of playing cards

**Assessment:** Teacher observation of student responses

**Review/Remediation:** Just use addition and subtraction of numbers

**Enrichment:** Use computerized math games for those who have mastered these mathematical concepts or assign those students to be the leaders of separate groups of students who may need review/remediation.

**Other benefits:** This is a tactile/kinesthetic activity which promotes team work and positive social skills, as well as organizational skills and following directions. In addition, it is just plain fun!

**Game Directions:**

## GAME DIRECTIONS

**GOAL:** To remove all the cards by finding combinations of cards that equal the target number

- 1 The players choose fairly who deals and who goes first, second, and so on.
- 2 The dealer places ten cards face up: three rows of three cards with one card on the side to be the target number. The target number stays the same for the entire game.
- 3 The first player removes cards that can be combined using multiplication, division, addition, and subtraction to equal the target number. (Ace equals one.) At least two cards must be removed at a time. (For example, if the target number is five, as in the illustration, there are several possible equations. A player could remove the two and three, because  $2 + 3 = 5$ ; the six and ace, because  $6 - 1 = 5$ ; or the two, three, two, and four, because two times three is six, plus four more is ten, divided by two equals five.)
- 4 When all possible combinations have been removed, the dealer fills the empty spaces and the next player finds equations for the target number.
- 5 The partners take turns until they have used all of the cards or all cards are dealt out and no more equations that equal the target number can be made.



*Lesson taken from Make Math Fun After School, presenter Megan Green, Developmental Studies Center Oakland, California, 2008.*